



TECHNICAL DATA SHEET

EPOXY WP-70 SYSTEM

(Product description and application information for EPOXY WP-70 Anti-Slip Safety Floor, Deck, & Ramp Resurfacing Kits)

PRODUCT DESCRIPTION

A two component, ambient temperature cure, epoxy system in 1 gallon kit.

1. A tough, abrasive, anti-slip coating for a variety of interior and exterior applications.
2. **EPOXY WP-70** is available in three colors: black, brown, and safety yellow.
3. Contains low VOC (mixed system) as determined by EPA Method 24 (or ASTM D 2369-04) to be 0.1 lb./gallon (12 g/L).
4. The cured product has excellent water, solvent, and chemical resistance. It has excellent hardness retention to flooring applications. Hardness, Shore D (24 hours at 25° C, Mixed Part A and Part B, Epoxy) → 70–80
5. Hardness of the Abrasive Grit → 9 MOHS
6. Excellent Slip Resistance. Co-Efficient of Friction meets or exceeds OSHA Standard 1910.22, ADA Coefficient of Friction Guidelines and ASTM Specifications. Slip Resistance (ASTM F 1677-96 Test Method), Dry → 0.93 and Wet → 0.78
7. Apply to metals, ceramics, glass, wood, concrete, etc.
8. Continuous working temperature → -40 °F to 180 °F. However, limited exposure to temperatures above 220° F will not harm the product. In house tests using cured product on various substrates at 250 °F for 6 hours indicated no loss of properties.

STORAGE

Store **EPOXY WP-70** in an area where the temperature is about 65 °F to 80° F. If **EPOXY WP-70** has been stored in a cold area, bring its temperature gradually up to 65 °F to 80° F before mixing to ensure complete and easier blending. If **EPOXY WP-70** has been stored in a cold area, and it became crystallized during storage, use gentle heat to thaw both the “A” and “B” sides and raise the temperature to 65 °F to 80° F with occasional stirring.

SURFACE PREPARATION

METAL SURFACES: Remove loose rust, scale or corrosion by mechanical scarification, wire brushing, scapping or sandblasting. If the metal surface was greasy or oily, clean it with appropriate solvents or Wooster Floor Prep. Apply **EPOXY WP-70** as soon as possible to avoid corrosion. Follow the enclosed instruction sheet for the safe and effective use of Wooster Floor Prep.

CONCRETE, CERAMIC, TERRAZZO, MARBLE, SLATE, and STONE SURFACES: If possible, abrade the surface with sandblasting or mechanical scarification. If the metal surface was greasy or oily, clean it with Wooster Floor Prep following instruction sheet for the safe and effective use of Wooster Floor Prep.

NOTE: **EPOXY WP-70** is not intended for use over glazed tile or quarry tile unless the tile can first be abraded with aluminum oxide or silicon carbide wheel or blasted with aluminum oxide or garnet abrasive.



VINYL, EPOXY, URETHANE SURFACES: Remove any loose materials. Rough up glazed surfaces. Remove wax with coarse grinding disc. Clean surface with Wooster Floor Prep if the surface was oily, greasy, soiled or waxed, following the enclosed instruction sheet.

NEW CONCRETE SURFACES: Etch and neutralize new concrete laitance with Muriatic Acid (15 % Hydrochloric Acid Solution). Spread at the rate of 1 gallon to every 6 square yards using a stiff bristled broom, until bubbling subsides (usually about 15 minutes). Rinse thoroughly with a high-pressure hose. Allow surface to dry before applying **EPOXY WP-70**.

WOOD SURFACES: **EPOXY WP-70** can be applied to new wood surfaces. **EPOXY WP-70** will also adhere to Wolmanized wood.

NOTE: **EPOXY WP-70** will not adhere to Penta- treated or creosote wood!

PAINTED, VARNISHED SURFACES: Remove any loose finish. Rough up any glossy surface by sanding or grinding with medium size abrasive. If the surface was oily, greasy, or soiled, clean with Wooster Floor Prep furnished with the kit, following instruction sheet carefully regarding safety and use.

SURFACE PREPARATION NOTES:

Always allow wet surface to dry thoroughly before applying EPOXY WP-70

Test the surface for cleanliness before applying **EPOXY WP-70**. Apply water to the surface to be coated. If the water “beads up”, repeat the cleaning process. If the water smooths out and wets easily, the surface is ready to coat.

IMPORTANT: THIS IS A PRE- WEIGHTED, PRE- MEASURED SYSTEM. YOU MUST MIX THE ENTIRE CONTENTS OF PART B WITH PART A. DO NOT DIVIDE INTO SMALLER PROPORTIONS.

APPLICATION/MIXING

HOW TO MIX: For easiest mixing, the **EPOXY WP-70** should be above 65° F to 80°F. Stir the contents of the small can (Part B) then pour the entire contents into the large can (Part A). Using a heavy-duty variable speed electric drill with the blender agitator that is included with the **EPOXY WP-70** kit will enable you to obtain the best mixing results. We do not recommend trying to mix this system manually. Secure the shaft of the agitator in the chuck of the drill, then immerse that agitator into the large can (Part A) until it is submerged about ½ inch in the **EPOXY WP-70**. Hold the agitator at approximately a 45° angle and start mixing at a low slow rate of speed. As **EPOXY WP-70** becomes mixed, it will begin to thin out. When this occurs, the speed of the mixer can be increased. Periodically submerge and move mixer around the bottom of the can to pick up any grit that has settled to the bottom. Mix for about 5 minutes until the color is uniform. When **EPOXY WP-70** is completely mixed, it will be of a consistency similar to a thick paint.

NEAT EDGE: If a neat edge is desired, mask off the area to be covered with duct tape. As soon as application of epoxy has been completed, remove the tape. Be sure that the tape does not drag across the epoxy while removing.

WORK LIFE: Approximately 30–60 minutes after emptied from the can (gel time or becomes so highly viscous that it can no longer be considered workable or able to be handled). Work life is longer at cooler temperatures - shorter at warmer temperatures.

SURFACE TEMPERATURE: Be sure that the surface to be coated is above 55° F before applying.

APPLICATION: Apply **EPOXY WP-70** with the squeegee applicator furnished or a magnesium float. **DO NOT USE ANY OTHER TYPE OF TOOLS TO APPLY MATERIAL.** After mixing, pour entire contents of the can over the area to be covered. If you are working in an area where only small amounts of **EPOXY WP-70** can be applied, **DO NOT ALLOW EPOXY WP-70 TO STAND IN THE CAN FOR MORE THAN 20 MINUTES.** If **EPOXY WP-70** is allowed to remain in a mass for a longer period of time it may begin to set up and cure.

Manufacturers of safety stair and walkway products



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After contents of can has been emptied onto the area to be covered, begin spreading with squeegee or float. There is no established or set procedure for spreading epoxy; spread it in any fashion that is simplest and most suitable to your application. To obtain good grit exposure and a rough surface, hold the squeegee or surface of the float bat at an approximate 45° angle. Work the squeegee over **EPOXY WP-70**, applying sufficient downward pressure to expose the abrasive grit. Do not drag the abrasive. If the abrasive drags, apply less downward pressure. If the abrasive is not exposed or if the surface is smooth, apply **MORE** downward pressure. The thickness of the coating should not be more than 1/16th inch.

IMPORTANT: MAKE AS FEW FINISHING PASSES AS POSSIBLE! CLEAN THE EDGES OF THE SQUEEGEE WITH THE SPATULA PROVIDED IN THE KIT BEFORE MAKING FINISH PASSES!

CLEAN UP: Tools may be cleaned with limonene or xylene. Clean up should be done before material cures. Cured or hardened epoxy is almost impossible to remove.

WEIGHT: Approximately 16.5 lbs. per gallon kit.

COVERAGE: Approximately 25–35 ft²/gallon kit

SAFETY

These materials are intended for industrial use only, and the practices of good housekeeping, safety, and cleanliness should be followed before, during, and after use.

Although the system contains low volatility materials, care should be taken in handling. Use adequate ventilation in the work area.

These materials may cause dermatitis in susceptible individuals. Keep off skin and out of eyes. In case of accidental skin contact, wash thoroughly with soap and water. In case of eye contact, flush eyes thoroughly with water and consult a physician immediately.

REFER TO SAFETY DATA SHEET FOR FURTHER INFORMATION.

ADDITIONAL INFORMATION

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NOTE

The information herein is currently believed to be accurate. We do not guarantee its accuracy. Purchasers shall not rely on statements herein when purchasing any products. Purchasers should make their own investigations to determine if such products are suitable for a particular use. The products discussed are sold without warranty, express or implied, including a warranty of merchantability and fitness for use. Purchases will be subject to a separate agreement, which will not incorporate this document.

Manufacturers of safety stair and walkway products

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